

## ABSTRACT

A dry etching apparatus that performs etching on a substrate 1 placed on a tray 13 inside a chamber 18 by covering the substrate 1 with a plate 14 provided with opening portions 5 15, in which a distance D between the surface opposing the substrate 1 and the substrate 1 in the peripheral portion of the plate 14 is set shorter than the distance D between the surface opposing the substrate 1 and the substrate 1 in the central portion of the plate 14. Textures can be thus formed homogeneously on 10 the surface of the substrate.